

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.- 5. (Canceled).

6. (Previously presented) A computer-implemented enterprise management system, comprising:

- a revenue budget ledger database configured to store a plurality of revenue budget items representing a budget defined for an organization utilizing an enterprise management application;

- a revenue budget postings ledger database configured to store revenue items generated from various transactions and already admitted to the enterprise management system;

- a plurality of Availability Control ledgers of an Availability Control system, each ledger comprising an Availability Control rule set related to a control object(s), and a database configured to store aggregated values of revenue budget items from the revenue budget ledger database and revenue items from the revenue budget postings ledger database that are operands to the control object(s) in the Availability Control rule set of the ledger;

- a transaction manager configured to execute on a computer processor, the computer processor configured to:

- receive new revenue transactions which include a revenue value,

- store the new revenue transactions in a transactions database, and

- determine whether each new revenue transaction affects any control objects listed in any one of said Availability Control ledgers;

- an Availability Control manager configured to execute on the computer processor, the computer processor configured to:

- receive from the transaction manager an indication of the control object affected by the new revenue transaction and the revenue value of the new revenue transaction;

- responsive to receipt of the new revenue value obtained from the received new revenue transaction, access an Availability Control rule in one of the plurality of Availability Control ledgers containing the aggregated values of revenue items from

the revenue budget postings ledger database and revenue budget items relevant to the affected control object,

compare an aggregated value of previously-posted revenue value retrieved from a source address in the Availability Control rule related to the affected control object with a new aggregated value including the revenue value of the new revenue transaction;

determine from the result of the comparison, whether a limit to how much revenue may be posted for the control object has been exceeded according to a relationship defined by the Availability Control rule, and

cause the transaction manager to reject the new revenue transaction based on the results of the determination.

7. (Previously presented) The computer-implemented enterprise management system of claim 6, wherein the aggregated values are generated according to an aggregation scheme for executing the Availability Control rule, the aggregation scheme identifying a type of summation to be performed on the revenue items and revenue budget items.

8. (Canceled).

9. (Canceled).

10. (Currently amended) An Availability Control method for an Availability Control system, the method comprising:

determining, by a computer processor, in response to a proposed posting of a new revenue transaction to an enterprise management application, whether a revenue calculation of any control objects stored in one of a plurality of Availability Control ledgers would use a new revenue value from the proposed posting of the new revenue transaction in a revenue calculation, wherein each ledger of the plurality of Availability Control ledgers comprises an Availability Control rule set related to at least one of a plurality of control objects, and a database for storing aggregated values of revenue budget items from a revenue budget ledger database and revenue items from a revenue budget postings ledger database that are operands to at least one of a plurality of control object in the Availability Control rule set of the ledger;

identifying, by a computer processor, at least one of the plurality of control objects as a control object using the proposed posting of the new revenue transaction in a revenue calculation;

executing, by a computer processor, Availability Control rules from the Availability Control ledger for each identified control object, the Availability Control rules testing whether the proposed posting of the new revenue transaction would cause revenue limits to be exceeded for the identified control object in the Availability Control rule set of the Availability Control ledger, and

rejecting the proposed posting from being admitted to an enterprise management system, if any Availability Control rule is violated by the proposed posting of the new revenue transaction and if the Availability Control rule identifies the violation as an error wherein a rule is violated when **[[the]]** admitting the posting would cause revenue limits to be exceeded for the identified control object.

11. (Previously presented) The Availability Control method of claim 10, wherein the executing comprises:

retrieving from an Availability Control database of the Availability Control ledger containing the identified control object, a postings operand generated from an aggregation of previously-admitted postings of revenue values or items addressed by the control object, and

determining whether the postings operand satisfies a test relationship stored in the rule set of the Availability Control ledger specified for the identified control object.

12. (Previously presented) The Availability Control method of claim 10, wherein the executing comprises:

retrieving from an Availability Control database of the Availability Control ledger containing the identified control object, a postings operand generated from an aggregation of previously admitted postings of revenue values or items addressed by the control object and a new revenue value, and

determining whether the postings operand satisfies a test relationship stored in the rule set of the Availability Control ledger specified for the identified control object.

13. (Previously presented) The Availability Control method of claim 12, further comprising storing the postings operand in the database of the Availability Control ledger associated with the control object.

14. (Canceled).

15. (Previously presented) The Availability Control method of claim 10, further comprising performing the determining, the executing and, if necessary the rejecting for each of a plurality of Availability Control rule sets related to the identified control object.

16. (Previously presented) A computer readable medium with program instructions stored thereon that, when executed, cause an executing device to:

responsive to a proposed postings of a new revenue transaction to an enterprise management application, determine whether a revenue calculation for any control objects stored in one of a plurality of Availability Control ledgers would use the new revenue transaction in a revenue calculation, wherein each ledger of the plurality of Availability Control ledgers comprises an Availability Control rule set related to at least one of a plurality of control objects, and a database for storing aggregated values of revenue budget items from a revenue budget ledger database and revenue items from a revenue budget postings ledger database that are operands to at least one of a plurality of control objects in the Availability Control rule set of the ledger;

identify the at least one of a plurality of control objects as a control object using the proposed posting in a revenue calculation;

execute Availability Control rules from the Availability Control ledger for each identified control object, the Availability Control rules testing whether the proposed postings of revenue would cause revenue limits to be exceeded for the identified control object in the Availability Control rule set of the Availability Control ledger, and

reject the posting from being admitted to an enterprise management system if any Availability Control rule is violated by the proposed revenue posting causing revenue limits to be exceeded for the identified control object and if the Availability Control rule identifies the violation as an error.

17. (Previously presented) The computer readable medium of claim 16, having instructions stored thereon that further cause the executing device to:

retrieve from an Availability Control database of the Availability Control ledger containing the identified control object, a postings operand generated from an aggregation of previously-admitted postings of revenue values or items addressed by the control object, and

determine whether the postings operand satisfies a test relationship stored in the rule set of the Availability Control ledger specified for the control object.

18. (Previously presented) The computer readable medium of claim 16, having instructions stored thereon that further cause the executing device to:

retrieve from an Availability Control database of the Availability Control ledger containing the identified control object, a postings operand generated from an aggregation of previously-admitted postings of revenue values or items addressed by the control object and a new revenue value, and

determine whether the postings operand satisfies a test relationship stored in the rule set of the Availability Control ledger specified for the control object.

19. (Previously presented) The computer readable medium of claim 16, having instructions stored thereon that further cause the executing device to store the postings operand in the database of the Availability Control ledger associated with the control object.

20. (Canceled).

21. (Previously presented) The computer readable medium of claim 16, having instructions stored thereon that further cause the executing device to perform the determination, the execution and, if necessary the rejecting for each of a plurality of Availability Control rule sets related to the identified control object.

22. - 24. (Canceled).